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APPLICATION NO	. г	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/720,934		11/24/2003	Reza M. Golzarian	ITL.1055US (P17792)	5240		
21906	7590	05/04/2006		EXAM	EXAMINER		
TROP PRUNER & HU, PC				BREWSTER,	BREWSTER, WILLIAM M		
8554 KAT	Y FREEW.	AY					
SUITE 100)			ART UNIT	PAPER NUMBER		
HOUSTON	N, TX 770	024		2823			
				DATE MAILED: 05/04/2006	6		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	V
		10/720,934	GOLZARIAN, REZA	M.
	Office Action Summary	Examiner	Art Unit	
		William M. Brewster	2823	
	he MAILING DATE of this communication	appears on the cover sheet w	ith the correspondence addr	ess
WHICHE - Extension after SIX - If NO per - Failure to Any reply	TENED STATUTORY PERIOD FOR RE EVER IS LONGER, FROM THE MAILING as of time may be available under the provisions of 37 CFF (6) MONTHS from the mailing date of this communication, iod for reply is specified above, the maximum statutory per or reply within the set or extended period for reply will, by start or received by the Office later than three months after the matent term adjustment. See 37 CFR 1.704(b).	COMMUNI R 1.136(a). In no event, however, may a riod will apply and will expire SIX (6) MOR atute, cause the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this comm BANDONED (35 U.S.C. § 133).	
Status				
2a)∏ Th 3)∏ Si	esponsive to communication(s) filed on 2. a sation is FINAL . 2b) 2 note this application is in condition for allows a sation accordance with the practice under the	This action is non-final. wance except for formal mat		nerits is
Disposition	of Claims			
4a 5)⊠ CI 6)⊠ CI 7)⊟ CI	aim(s) 1-25 is/are pending in the applicate) Of the above claim(s) 2,3,8,12,13,15,19 aim(s) 1,4,5,9,10 and 21-25 is/are allowe aim(s) 11,14,16 and 18 is/are rejected. aim(s) is/are objected to. aim(s) are subject to restriction and	<u>) and 20</u> is/are withdrawn fron ed.	n consideration.	
Application	Papers			
10)∐ Th Ap Re	e specification is objected to by the Exame drawing(s) filed on is/are: a) = oplicant may not request that any objection to eplacement drawing sheet(s) including the core oath or declaration is objected to by the	accepted or b) objected to the drawing(s) be held in abeya rrection is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR	
Priority und	der 35 U.S.C. § 119			
12) Ac a) 1. 1. 2.	knowledgment is made of a claim for fore All b) Some * c) None of: Certified copies of the priority docum Copies of the certified copies of the papplication from the International Bue the attached detailed Office action for a	nents have been received. nents have been received in A priority documents have beer reau (PCT Rule 17.2(a)).	Application No n received in this National S	itage
) If References Cited (PTO-892) If Draftsperson's Patent Drawing Review (PTO-948	Paper No	Summary (PTO-413) (s)/Mail Date	
3) Informat	tion Disclosure Statement(s) (PTO-1449 or PTO/SE o(s)/Mail Date		Informal Patent Application (PTO-	152)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 11, 14, 16, 18 are rejected under 35 U.S.C. 102(a) as being anticipated by Hynix Semiconductor Inc., KR 2003002424 A.

Hynix anticipates

limitations from claim 11, a method comprising: in the figure,

implanting a semiconductor wafer 10; and

activating the implanted species by exposing said wafer to laser energy from an infrared laser 20, Detailed Description;

limitations from claim 14, the method of claim 11 including applying heat to said wafer, wherein infrared is or is transferred to heat;

limitations from claim 16, the method of claim 14 including applying heat using a laser 20, Detailed Description;

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limitations from claim 18, the method of claim 16 including mechanically perturbing said wafer at the same time said wafer is being heated, inherent (see explanation below).

For claim 18, Hynix does not enumerate the underlying thermodynamics and physics of the energy transfer of a laser. Proffered as evidence Martinis et al., US Patent No. 5,634,718 does highlight the physics. In col. 5, lines 34-52, Martinis explains that heat causes vibrations of the atoms. Vibrating is a form of mechanical perturbation. Therefore, Yamamoto's laser, which heats the wafer, causes vibrations and hence mechanical perturbations.

Allowed Claims

Claims 1, 4, 5, 9, 10, 21-25 are allowed.

The following is a statement of reasons for the indication of allowable subject matter in claim 1: the limitation, "exposing an implanted wafer to an infrared laser: and exposing said implanted semiconductor wafer to a second laser at energy lower than the energy of said infrared laser," cannot be found in the prior art of record.

Response to Arguments

Applicant's arguments with respect to filed claims have been considered but are moot in view of the new ground(s) of rejection.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to William M. Brewster whose telephone number is 571-272-1854. The examiner can normally be reached on Full Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

William M. Brewster WILLIAM M. BREWSTER

PRIMARY EXAMINER

27 April 2006 WB